

**Addendum #1 to the Staff Report for the February 4, 2014  
Fire Prevention and Building Safety Commission Meeting**

- 14-02-34(a)(b)      **Artistry Phase II – North Building – Indianapolis**
- CI      (a) *The new 5 story mixed use building will exceed the code allowed number of stories for Type V-A construction.* The proponent advises that there will be apartments, future retail, restaurants or offices in the structure. The structure will be 5 stories in height and the code limits the construction type to 4 stories. This structure will be a modified podium construction, with Type IB construction as the first floor with 2 hour fire rated floor separation and the supporting structure with 2 hour construction, rather than the code required Type IA construction. This will support the 4 stories above. The entire structure will be sprinklered with an NFPA 13 sprinkler system per the 2010 Edition. The apartment floors will have fire rated compartmentation. The hardship is the cost of providing the 3 hour fire rated construction on the 1<sup>st</sup> floor. What is the cost?
- CI      (b) *The new 5 story mixed use building will have a modified 2 hour podium structure for the 1<sup>st</sup> floor and the code requires the upper floor fire walls to extend through the podium and the walls will not extend through the podium floor structure.* The proponent advises that this is a variance on Variance 14-1-23(e). The entire building will be sprinklered with an NFPA 13 sprinkler system per the 2010 Edition. The hardship is the interruption of the floor structure and possible fire walls within the 1<sup>st</sup> floor retail areas.
- 14-02-35      AI      **Roche Diagnostics Operations Office Building – Indianapolis**      Project #368880  
*The new 3 story office building, of Type IIB construction will not have the code required exterior walls that have been tested per NFPA 285.* NFPA 285 is the Standard Method of Test for the Evaluation of Flammability Characteristics of Exterior Nonload-bearing Wall Assemblies Containing Combustible Components. The code requires metal composite materials, without fire rated cores. Additionally the energy code requires insulation and the building code requires a water barrier. The proponent advises that the building is protected throughout by an automatic sprinkler system per NFPA 13. The proponent advises that there is a code change proposal to the 2014 Indiana Building Code that was accepted by the code committee on this type of installation. The hardship is the time and cost to run a fire test, plus the cost of probably upgrading the assembly.
- 14-02-36      CI      **Roche Diagnostics Operations Parking Garage – Indianapolis**      Project #367647  
*The new parking garage will not have exterior walls that have been tested per NFPA 285, as required by code.* The code requires metal composite materials, without rated cores, to be tested. The proponent advises that automobiles will not pose an exposure hazard to the exterior aluminum composite panels. The hardship involves the time to run a fire test, plus the cost of probably upgrading the assembly.



**Addendum #2 to the Staff Report for the February 4, 2014  
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- 14-02-37      CI      **Lake Clearwater Apartments – Indianapolis**  
*The sprinklers in the closets on the exterior balconies will be removed.* The complex consists of eleven 3 story buildings of Type V-A construction. The apartments are protected with a sprinkler system in accordance with NFPA 13R. The apartments have smoke detection provided. The hardship is there have been at least 14 of these sprinkler pipes burst due to the recent weather conditions. The proponent advises that the existing heads are dry side wall heads with a 4 inch long exposed barrel length.
- 14-02-38      CI      **Evansville Museum of Art's History and Science Expansion - Evansville**  
Project #341964  
*The exit signs in the new Planetarium/Theater will be turned off during a performance which is not permitted by code.* The code requires that exit signs be illuminated at all times. The proponent advises that the Planetarium/Theater is classified as A-3 occupancy of Type IIB construction. The occupant load is currently 77. The proponent advises that the exit lights are wired to power up in the event of actuation of the fire alarm or sprinkler system. The exit lights are currently powered up before and after the performances or any other time when the house lights are on. The staff also has the ability of manual activation by staff. The hardship is the exit lights, due to immediate proximity to the screen, will adversely impact viewing of the screen. Is there any lighting, other than the screen, when the screen is lit?
- 14-02-39(a)(b)      CI      **J. W. Riley – Visitors Education Center – Indianapolis** Project #364036  
(a) *The staff kitchen in the visitor's center will not be accessible, as required by code.* The code requires that the kitchen be accessible to the disabled, including the counter height, clear floor space, sink, etc. per ICC/ANSI A117.1-2003. The proponent advises that the kitchen is limited to 2 staff members to prepare their lunch. The employees are required to be able bodied, per the job description, to give walking tours within the 2 story house museum. The public is not permitted in the break room/kitchen. The hardship is that the facility is completed at this time and the cost to remodel the kitchen is difficult for the not for profit organization.
- NVRI      (b) *The kitchen residential grade cooking appliances will not be provided with Type I or Type II hood systems.* The proponent advises that the cooking in the staff break room is limited to 2 staff members. The hours of operation for the visitor's center and house museum are 5 days a week for approximately 5.5 hours per day. There will be limited use of the kitchen. There will be a household type re-circulating filter/residential hood above the stove. The hardship is the limited use of the stove with re-circulating filter and cost of an exhaust hood. Table 507.2 in the 2008 Indiana Mechanical Code does not require a hood under these facts.

14-02-40      CI      **Indianapolis Regional Operations Center – Indianapolis** Project #352860  
*The structure containing the Emergency Operations Center which is within the Regional Operations Center is designed as an Occupancy Category IV for purposes of applying structural requirements per Table 1604.5, and due to its function as a facility “required for emergency response”, is required to be isolated from certain life safety features and the surrounding structure will not be altered to comply with the Occupancy Category IV requirements.* The building which is the old Eastgate Mall structure was originally classified as a Category II per current code, which is dated from the 1950’s. The proponent advises that structural modifications are being made to meet the intent of the code for structural independence of the EOC. The hardship is providing complete independence for the EOC structure from the surrounding building structure and completely isolated fire safety systems is cost prohibitive.

14-02-41      CI      **Pine Hills Learning Place – Renovation & Addition – Ft. Wayne**  
Project #365895  
*The paved path that the local building department is requiring from the exit to the public right of way will not be provided.* The proponent advises that this exit is required per Section 903.2.2 to remove the sprinkler requirement for the facility. The proponent advises that the yard adjacent to the exit is relatively level and the children that are able to exit down the exit stairway should be physically able to walk across the lawn. The hardship is the nearest public way is 154 feet from the new exit. The new sidewalk would need to cross a drainage ditch along the side of the roadway. The road that the walk would lead to has no side walk and has a posted 45 mph speed limit.

Note: An Official Interpretation of Section 1024.6 of the 2008 IBC, by Scott Perez, former Building Law Compliance Officer, provides as follows: Section 1003.4 Floor Surface. Walking surfaces of the means of egress shall have a slip resistant surface and be securely attached. The interpretation states, “As defined in the IBC (see above), the means of egress includes three separate and distinct elements, the exit access, the exit and the exit discharge. Therefore, the provisions for the walking surface, in accordance with the provisions of Section 1003.4 of the 2008 IBC, are applicable to all three parts of the means of egress system, including the exit discharge portion. A slip resistant, securely attached, walking surface is required and/or marked exit discharge. Given the weather conditions for the state of Indiana, especially in winter, acceptable walking surfaces would include concrete slab or asphalt sidewalks, or other solid, hard surface type materials. Gravel, stone, mulch or other not solid type surface does not meet the requirements for a walking surface associated with an exit discharge.